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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/891,523	06/27/2001	Ryan N. Rakvic	2207/1123601	3187	
23838	7590 06/04/2003	•			
KENYON & KENYON			EXAMINER		
	ET, N.W., SUITE 700 ON, DC 20005		INOA, N	MIDYS	
			ART UNIT	PAPER NUMBER	
			2188	7	
			DATE MAILED: 06/04/2003	/	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application N .		Applicant(s)	One.
		09/891,523		RAKVIC ET AL.	Pla
Office Action Summary		Examiner	-	Art Unit	
		Midys Inoa		2188	
Period f	The MAILING DATE of this communication app rR ply	ears on the cover si	heet with the co	respond nce add	iress
THE II - Exter after - If the - If NO - Failui - Any r	ORTENED STATUTORY PERIOD FOR REPLY MAILING DATE OF THIS COMMUNICATION. Insions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. Period for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period we to reply within the set or extended period for reply will, by statute, eply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however within the statutory minimu will apply and will expire SIX cause the application to be	r, may a reply be timel um of thirty (30) days v ((6) MONTHS from the ecome ABANDONED	y filed vill be considered timely e mailing date of this co (35 U.S.C. § 133).	
1) 🗌	Responsive to communication(s) filed on	<u> </u>			
2a) <u></u>	This action is FINAL. 2b)⊠ Th	is action is non-fina	ıl.		
3)	Since this application is in condition for allowa	nce except for form	nal matters, pro:	secution as to the	e merits is
Dispositi	closed in accordance with the practice under a on of Claims	Ex parte Quayle, 19	935 C.D. 11, 45	3 O.G. 213.	
4) 🛛	Claim(s) 1-21 is/are pending in the application	ı.			
i	4a) Of the above claim(s) is/are withdraw	vn from considerati	on.		
5)	Claim(s) is/are allowed.				
6)⊠	Claim(s) 1-21 is/are rejected.				
7)	Claim(s) is/are objected to.				
•	Claim(s) are subject to restriction and/or	r election requireme	ent.		
Applicati	on Papers				
•	The specification is objected to by the Examine				
10)[2]	The drawing(s) filed on 27 June 2001 is/are: a)				
44) 🗖 -	Applicant may not request that any objection to the				
11)[_]	The proposed drawing correction filed on			ed by the Examine	ı r.
12\□	If approved, corrected drawings are required in rep The oath or declaration is objected to by the Ex-	-	п.		•
•—	·	ammer.			
_	Inder 35 U.S.C. §§ 119 and 120		100 6 440(a)	(d) on (f)	
<i>,</i> —	Acknowledgment is made of a claim for foreign	i priority under 35 C	7.5.C. § 119(a)-	(a) or (i).	
a)[All b) Some * c) None of:	n hava haan saasiw			
	1. Certified copies of the priority documents			. No	
	2. Certified copies of the priority documents		• •		Diama.
* S	3. Copies of the certified copies of the prior application from the International Bursee the attached detailed Office action for a list	reau (PCT Rule 17.	.2(a)).		stage ·
14)□ A	acknowledgment is made of a claim for domesti	c priority under 35 l	U.S.C. § 119(e)	(to a provisional	application).
) The translation of the foreign language pro Acknowledgment is made of a claim for domesti	• •			
Attachment	•	- Fireing amaer oo			
	e of References Cited (PTO-892)	4) 🔲 In	iterview Summary (I	PTO-413) Paper No(s	s)
2) Notice	e of Draftsperson's Patent Drawing Review (PTO-948)	5) 🔲 N	otice of Informal Pa	tent Application (PTC	
	nation Disclosure Statement(s) (PTO-1449) Paper No(s)	6) [OI	ther: .		
.S. Patent and Tr PTO-326 (Re		ti n Summary		Part of Paper No. 7	

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DETAILED ACTION

Information Disclosure Statement

1. The information disclosure statements (IDS) submitted on October 12, 2001 and October 11, 2002 have been considered by the examiner.

Drawings

2. The drawings filed on June 27th, 2001 have been accepted by the examiner.

Specification

3. The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required:

The Specification must include a description of the term "cachelets" used in the claims.

Claim Rejections - 35 USC § 112

- 4. The following is a quotation of the second paragraph of 35 U.S.C. 112:
 - The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 5. Claims 1-21 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. When read in context, it is not understood what the term "cachelets" refers to. A definition of the term must be supplied.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

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(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

7. Claims 1-7, and 19 are rejected under 35 U.S.C. 102(e) as being anticipated by Ayukawa et al. (6,381,671).

Regarding Claims 1-3 and 19, Ayukawa et al. teaches a system in which a cache memory 6 is divided into a number of banks (cachelets), each bank having identifiable addresses. The cache of Ayunkawa et al. is part of a multiple level cache system since the system includes a first level cache memory in addition to cache 6. Ayunkawa also discloses an access manager (address manager) coupled to each bank which monitors and directs the accesses to the different banks of the cache. (See Figure 1 and Column 3, line 65 – Column 4, lines 25).

Regarding Claims 4-5 and 8-10, Ayukawa et al. teaches banks in which inputs are directed to the independent destination bank depending on the bank address (acting as tag field) and a row/column decoder 51 selects the location of the data and avoids bank address conflict (Figure 2, Column 9, line 62-Column 10, lines 17).

Regarding Claims 6-7, Ayukawa et al. teaches the invention as set forth by claim 1 in addition to an access optimizer (address manager, Figure 1, Ref #4), a row/column decoder (instruction decoder, Figure 2, Ref#51), and a number of 128 bit loading buses coupled to the banks (Figure 1, Ref#9A-C).

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Midys Inoa whose telephone number is (703) 305-7850. The examiner can normally be reached on M-F 7:00am - 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Kim can be reached on (703) 305-3821. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 746-7239 for regular communications and (703) 746-7239 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Midys Inca Examiner Art Unit 2188

MI June 2, 2003

REGINALD G. BRAGDON PRIMARY EXAMINER

Keginald B. Brookin